

**FLORIDA  
DEPARTMENT  
OF  
TRANSPORTATION**



**STANDARD SPECIFICATIONS  
FOR  
ROAD AND BRIDGE  
CONSTRUCTION  
JULY 2022**

These Florida Department of Transportation Standard Specifications for Road and Bridge Construction, July 2022, are hereby approved for application on highway and related construction contracts as referenced in the plans or specifications, and they shall apply as noted and amended by those documents.

Stefanie Maxwell, P.E.  
Manager, Program Management Office

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I hereby certify that these Standard Specifications were prepared by me or under my responsible charge, compiled from specifications prepared, examined, adopted and implemented by the Florida Department of Transportation in accordance with established procedures, and as approved by the Federal Highway Administration.

This item has been digitally signed and sealed by Daniel Strickland on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Daniel Strickland, P.E.  
State Specifications Engineer

## SECTION 522 CONCRETE SIDEWALKS AND DRIVEWAYS

### 522-1 Description.

Construct concrete sidewalks and driveways in accordance with the Plans and the Standard Plans. Sidewalk will include curb ramps, landings, transition slopes, sidewalk curb, and edge beams.

### 522-2 Materials.

Meet the requirements specified in 520-2 and the embankment utilization requirements of Standard Plans Index 120-001.

### 522-3 Forms.

Provide forms as specified in 520-3.

### 522-4 Foundation.

Shape and compact the foundation materials with suitable equipment to a firm, even surface, true to grade and cross-slope. Meet the testing frequency and maximum lift thickness requirements of Section 120. Record density test results in the Earthwork Records System (ERS) section of the Department's database. Compact cut-and-fill areas within 1 foot beyond each side of the sidewalk or driveway, when right-of-way conditions allow. Compact the foundation material below the bottom of concrete for a minimum depth of 1 foot for cut areas, 1 foot for fill areas less than 1 foot, and 2 feet for all other fill areas to a density not less than 95% of the maximum density as determined by FM 1-T099. Compact the material in the remaining fill areas to match the adjacent area density.

### 522-5 Joints.

Install expansion and contraction joints in accordance with the Plans and the Standard Plans.

### 522-6 Placing Concrete.

Place the concrete as specified in 520-5.

### 522-7 Finishing.

**522-7.1 Screeding:** Strike-off the concrete by means of a wood or metal screed, used perpendicular to the forms, to obtain the required grade and remove surplus water and laitance.

**522-7.2 Surface Requirements:** Imprint concrete as detailed in the Plans, otherwise provide a broom finish. Ensure that the surface variations are not more than 1/4 inch under a 10-foot straightedge or more than 1/8 inch on a 5-foot transverse section. Finish the outer edges of the concrete with an edging tool having a radius of 1/2 inch.

**522-7.3 Sidewalk Cross Slope Requirements:** Construct sidewalk with cross slope as shown in the Plans and Standard Plans. Sidewalks must have some cross slope, but no more than 2.0%, in either the positive or negative direction after construction.

### 522-8 Curing.

Cure the concrete as specified in 520-8.

**522-9 Opening Sidewalk to Pedestrian Traffic.**

Install detectable warnings, when shown in the Plans, in accordance with Section 527 on completed sections of sidewalk before opening to pedestrian traffic.

**522-10 Method of Measurement.**

The quantity to be paid will be plan quantity, in square yards, completed and accepted.

**522-11 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section. Excavation for new installations will be paid for under the items for the grading work on the project.

Payment will be made under:

Item No. 522-

Concrete Sidewalks and Driveways - per square yard.